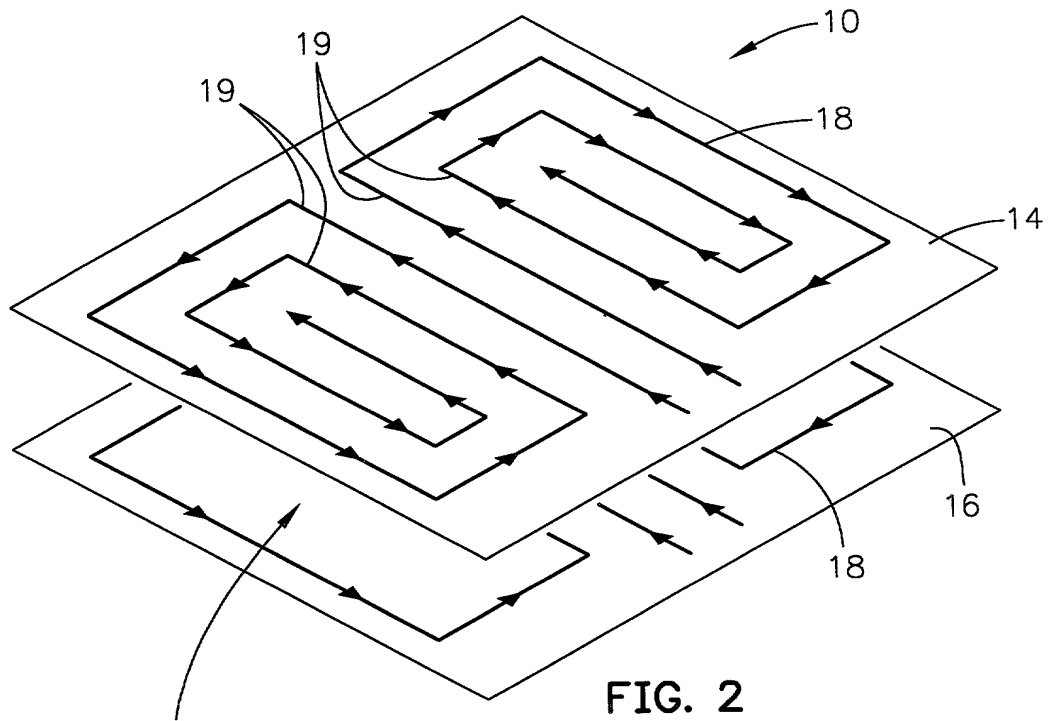
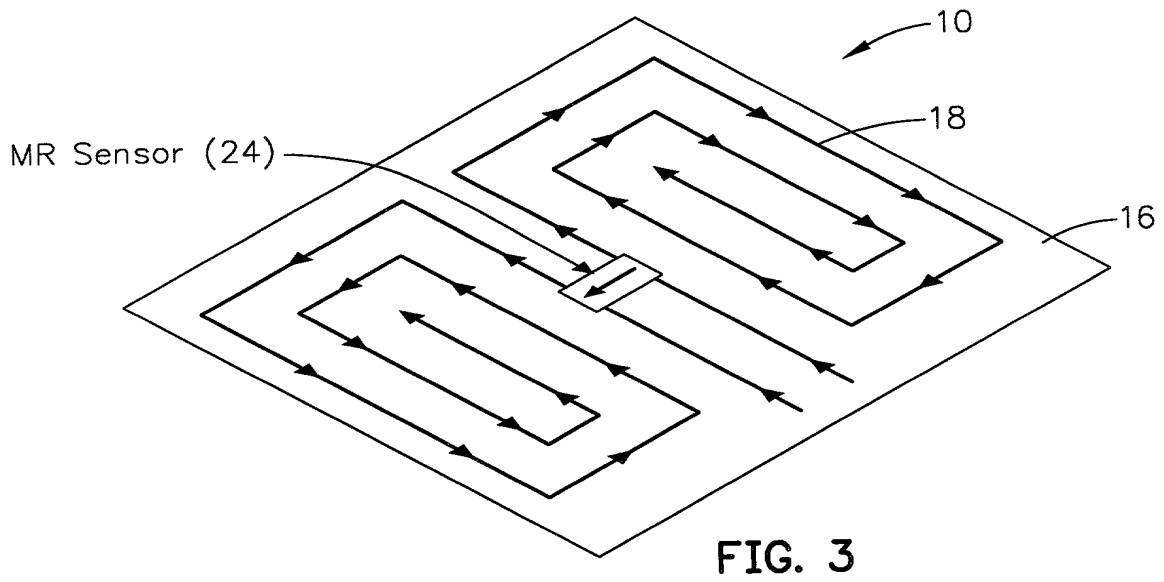


FIG. 1



MR sensor in low-field region between current sheets.





00048700 03304

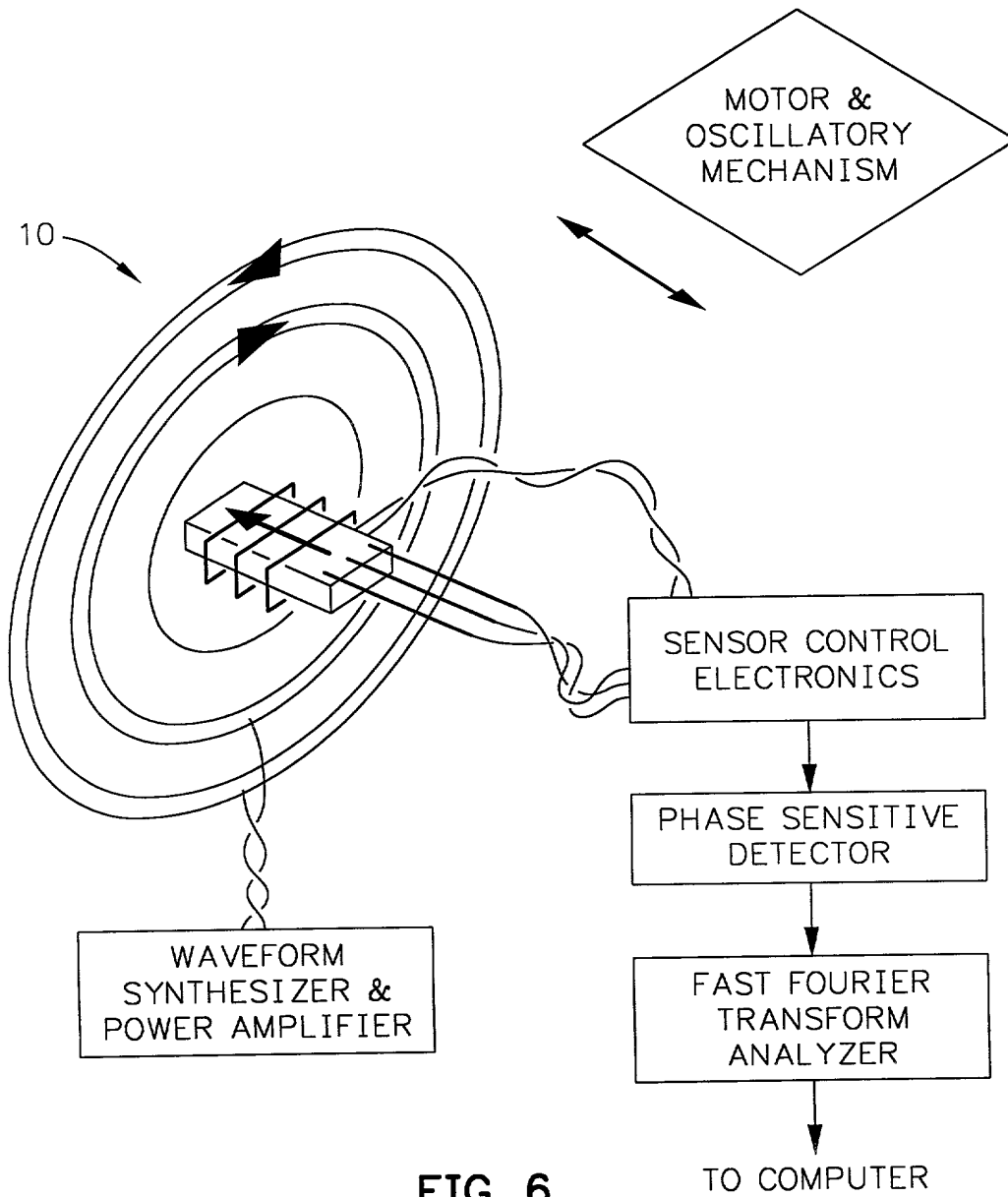


FIG. 6

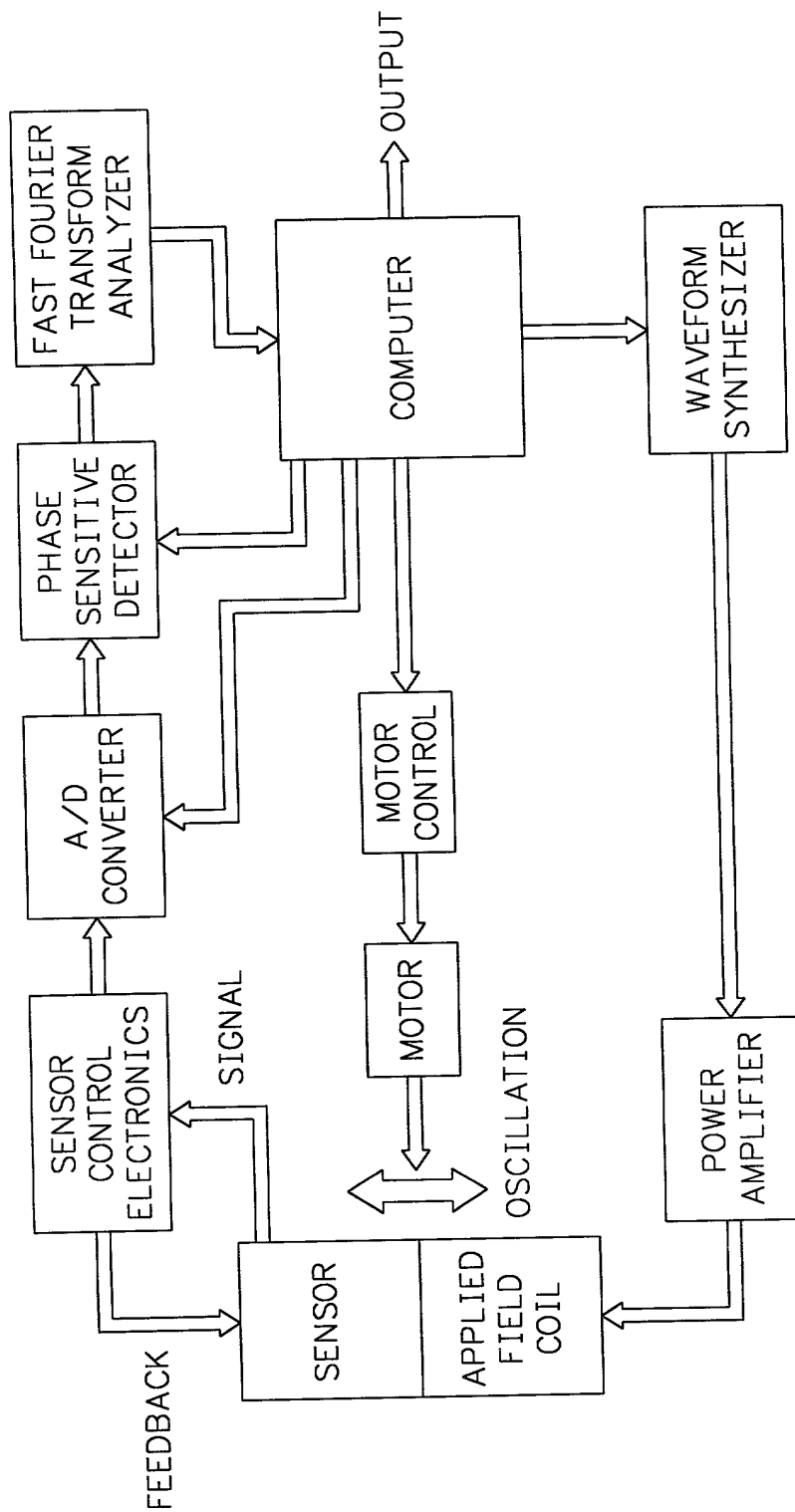


FIG. 7

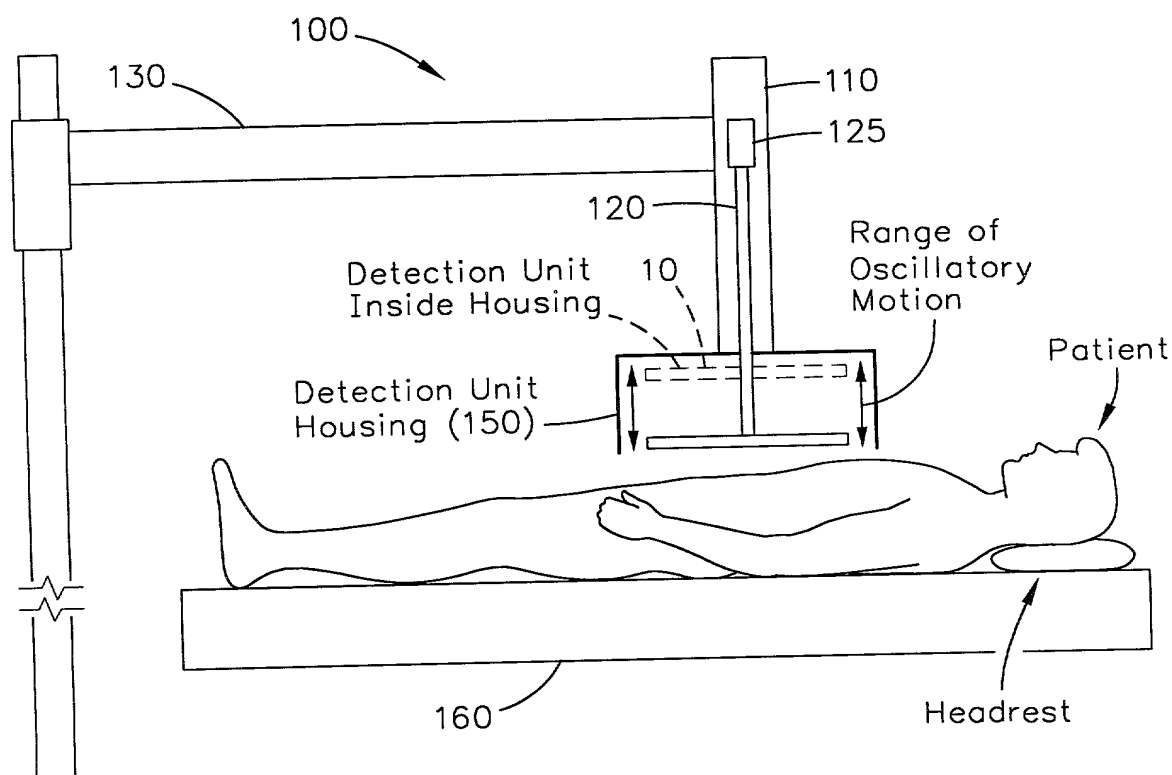


FIG. 8

1

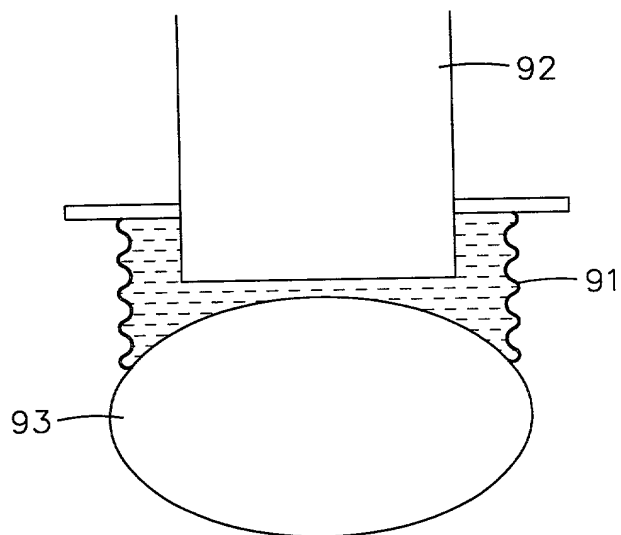


FIG. 9A
(PRIOR ART)

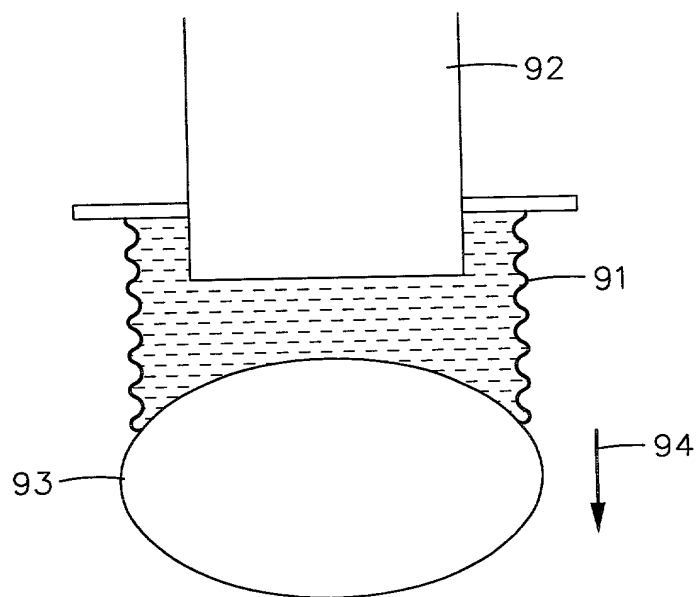


FIG. 9B
(PRIOR ART)

FIG. 10

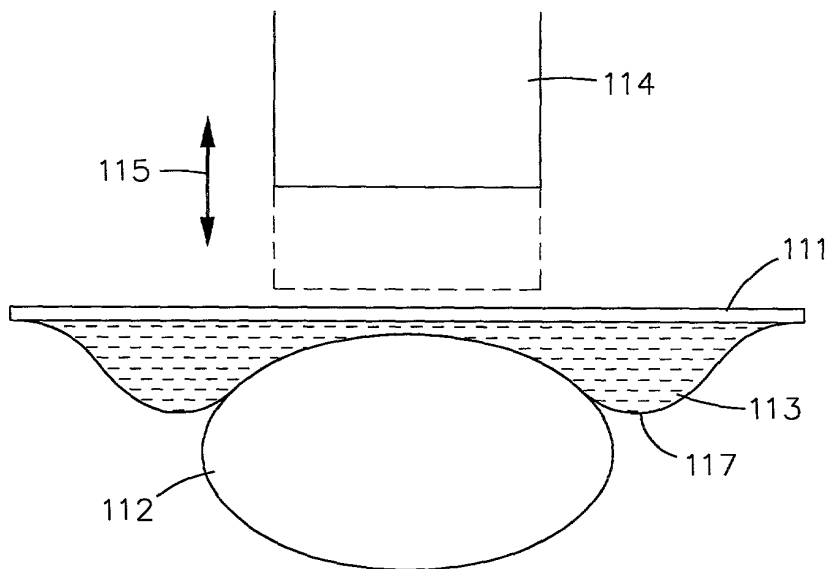


FIG. 10

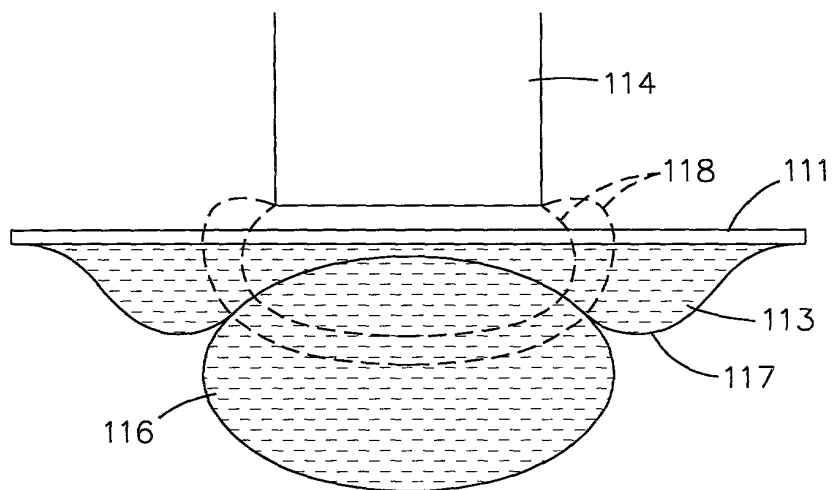


FIG. 11

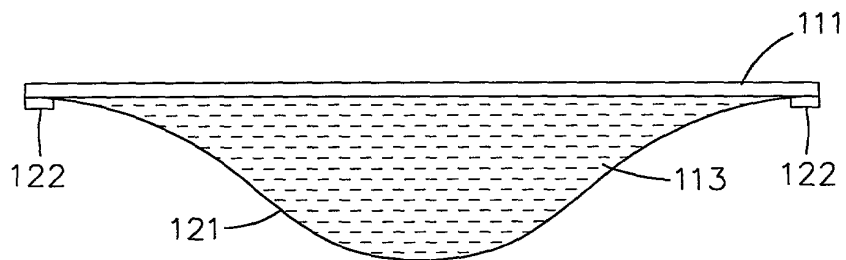
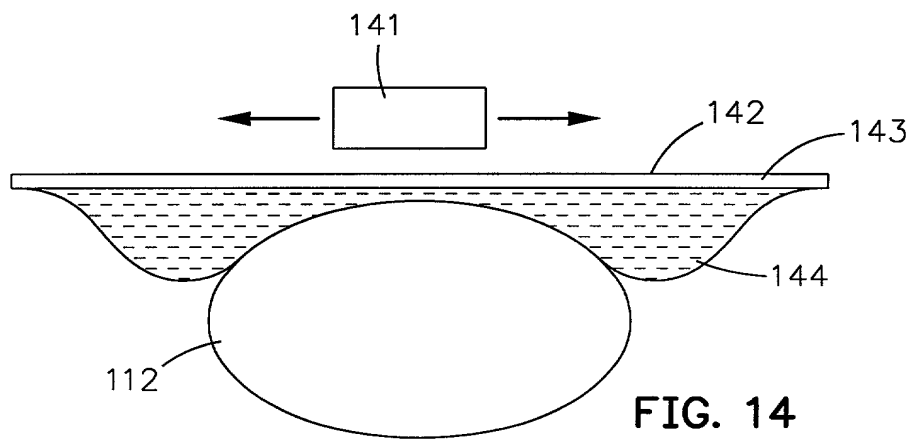
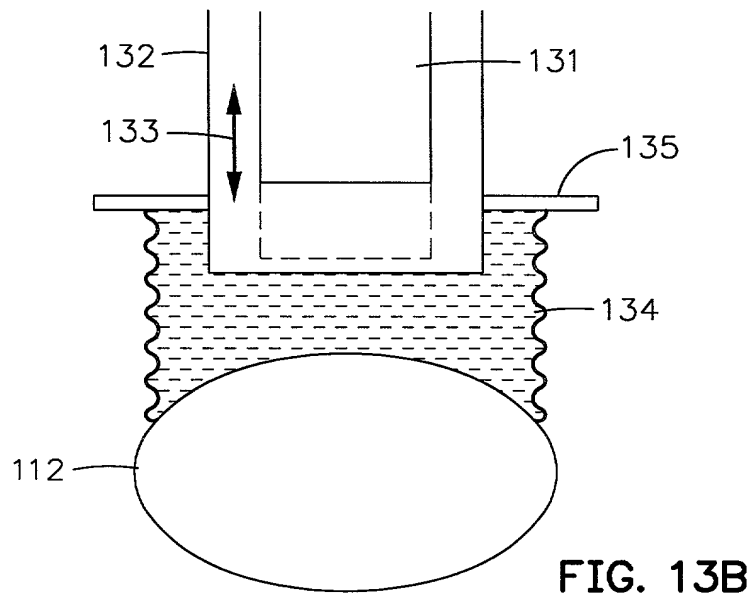
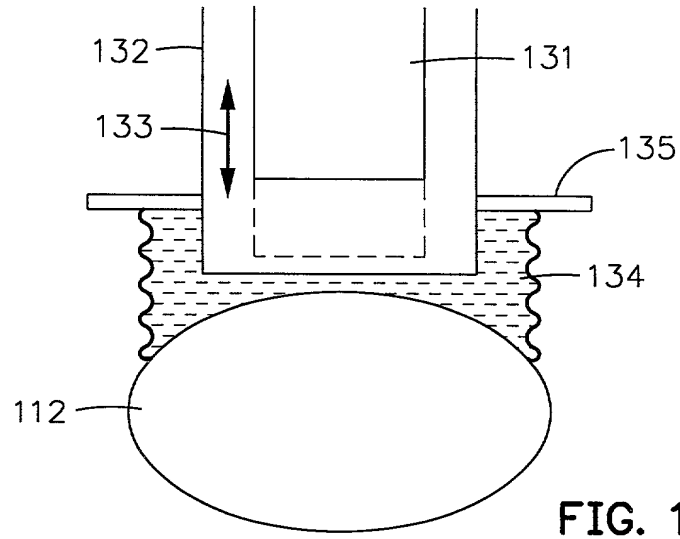
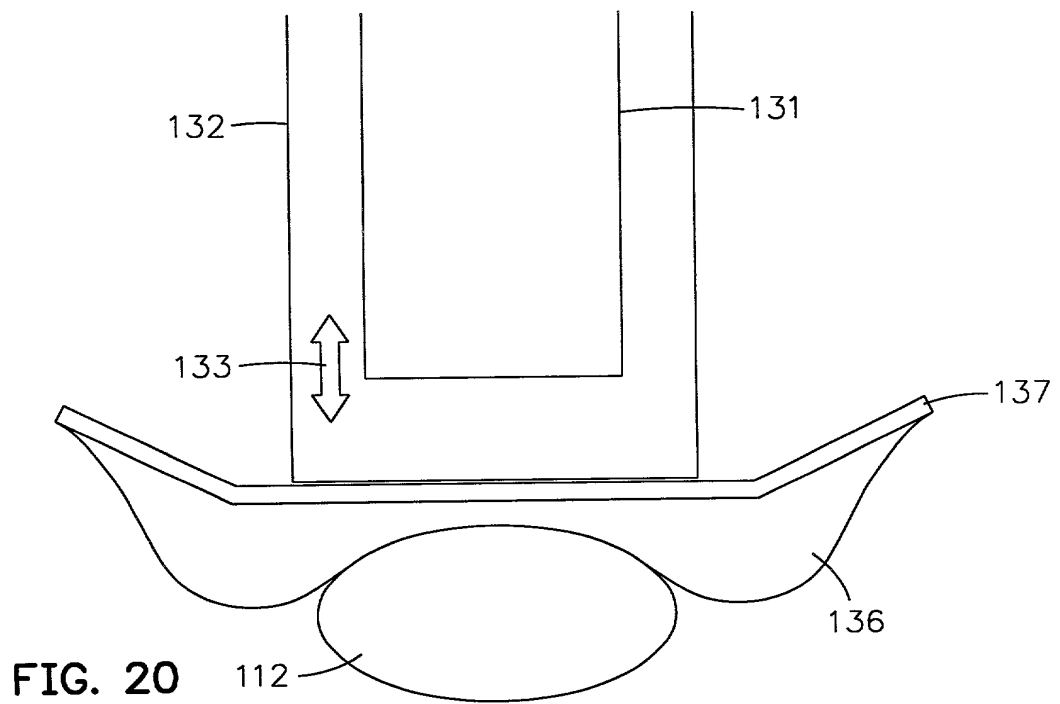
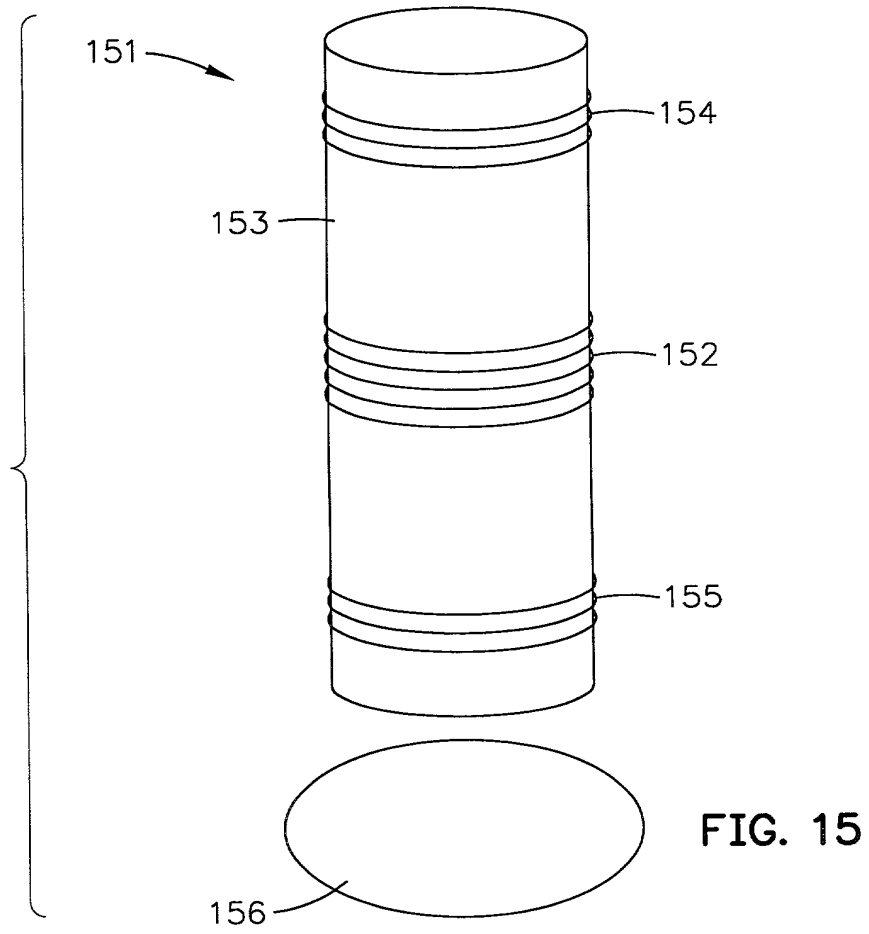


FIG. 12





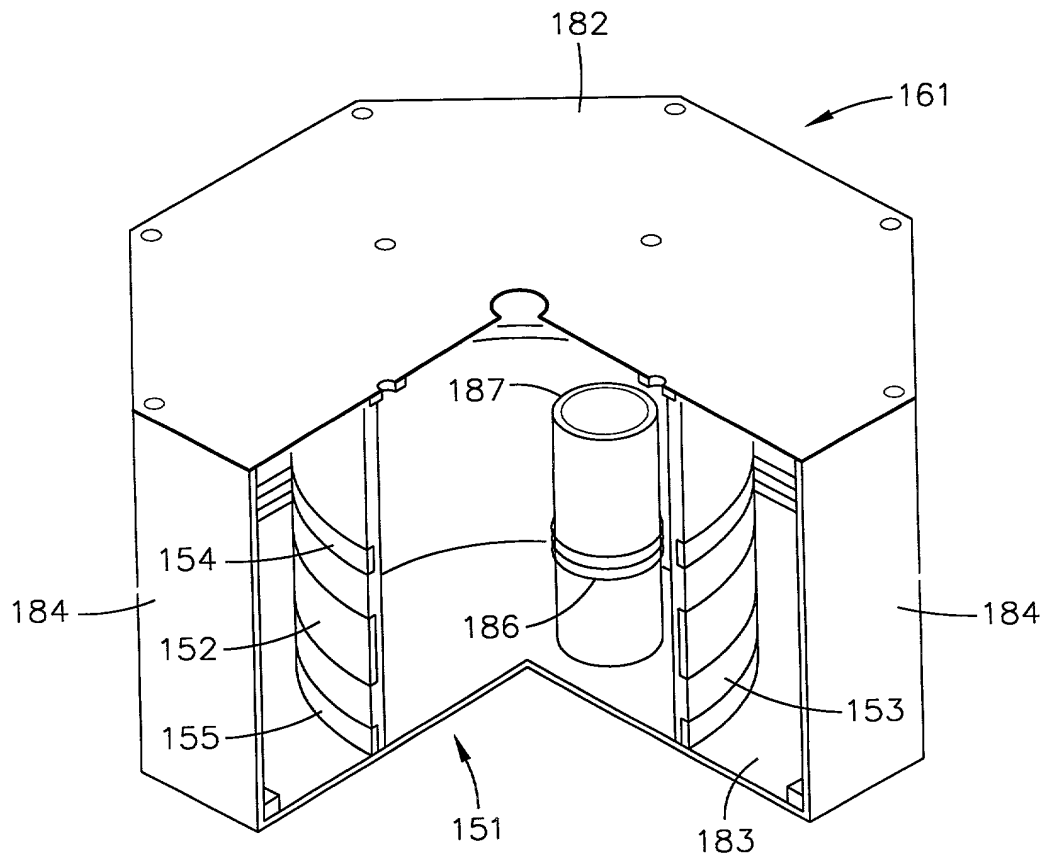


FIG. 16

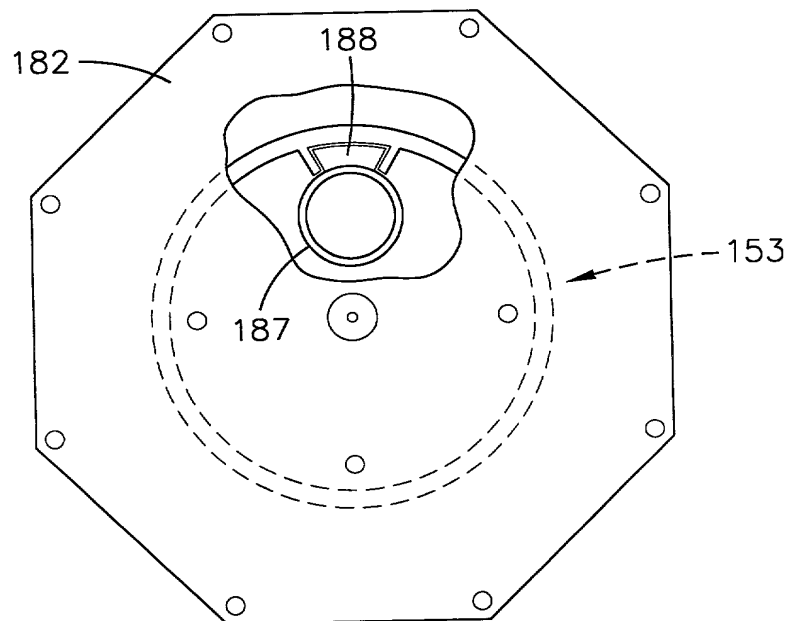


FIG. 17

FIG. 18

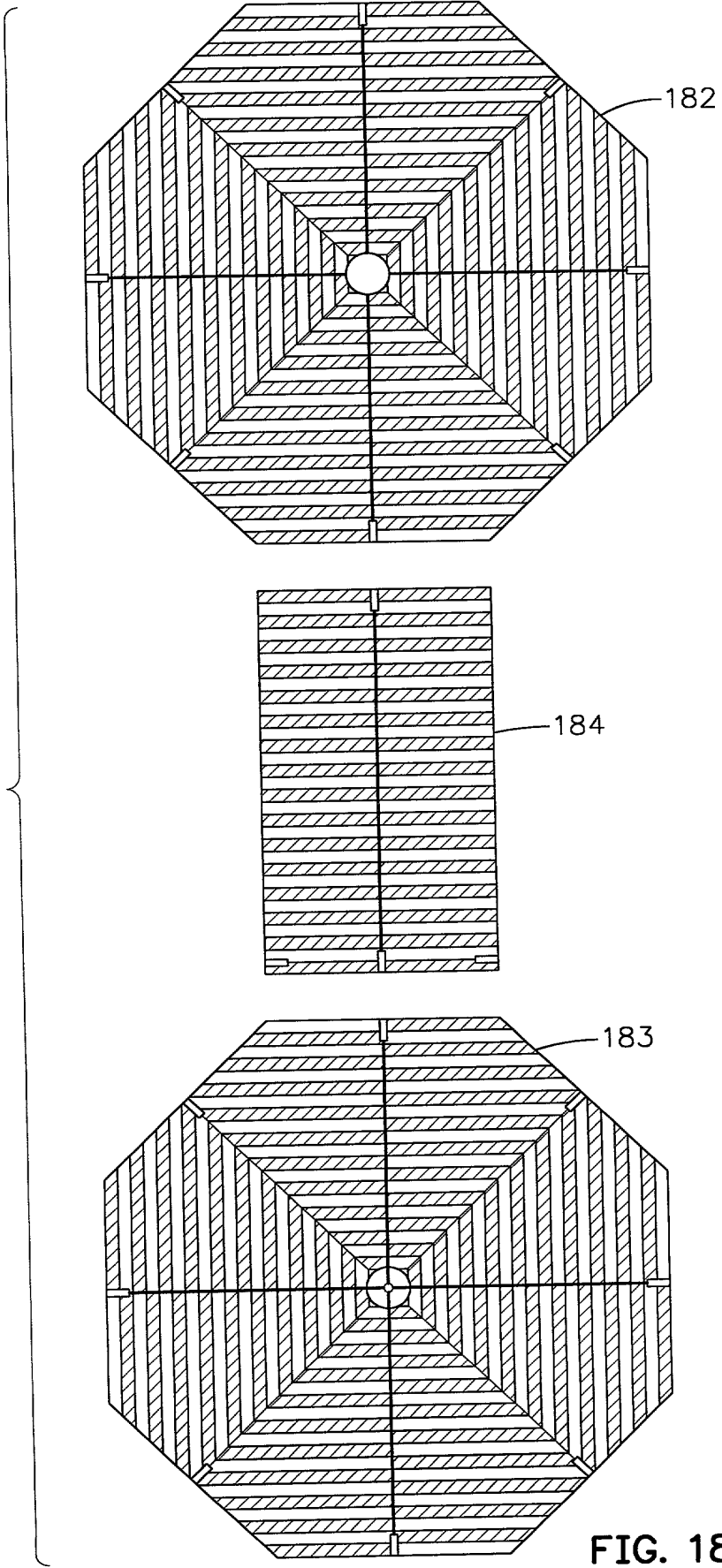


FIG. 18

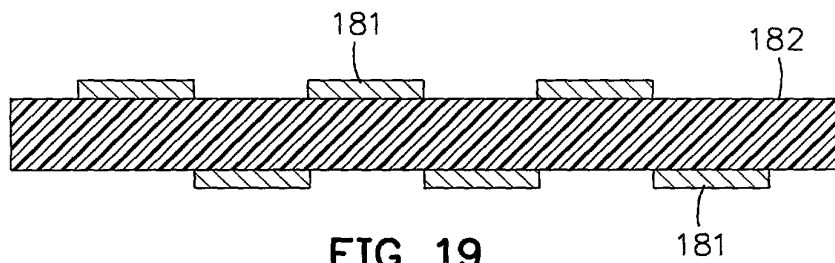


FIG. 19

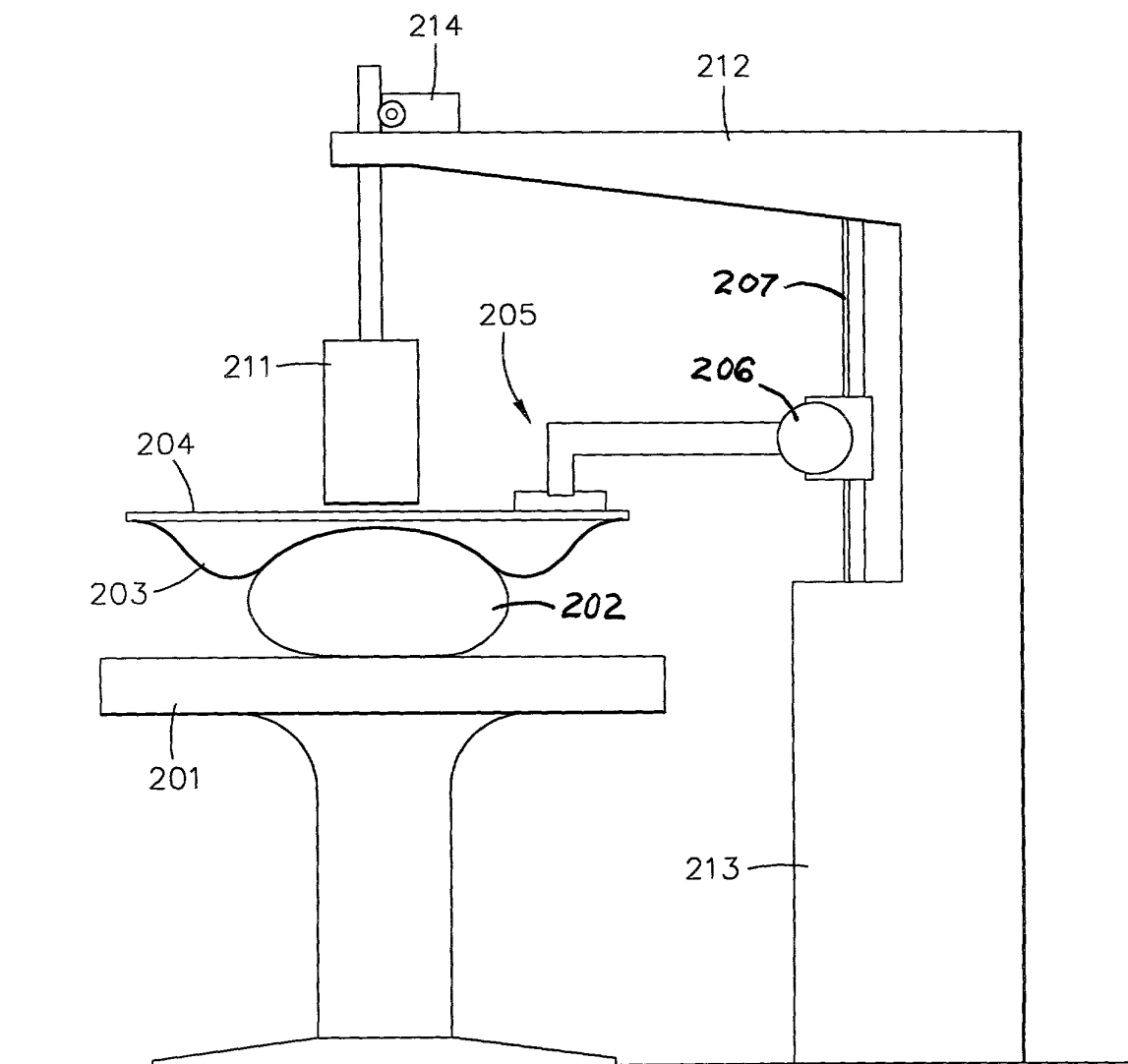


FIG. 21

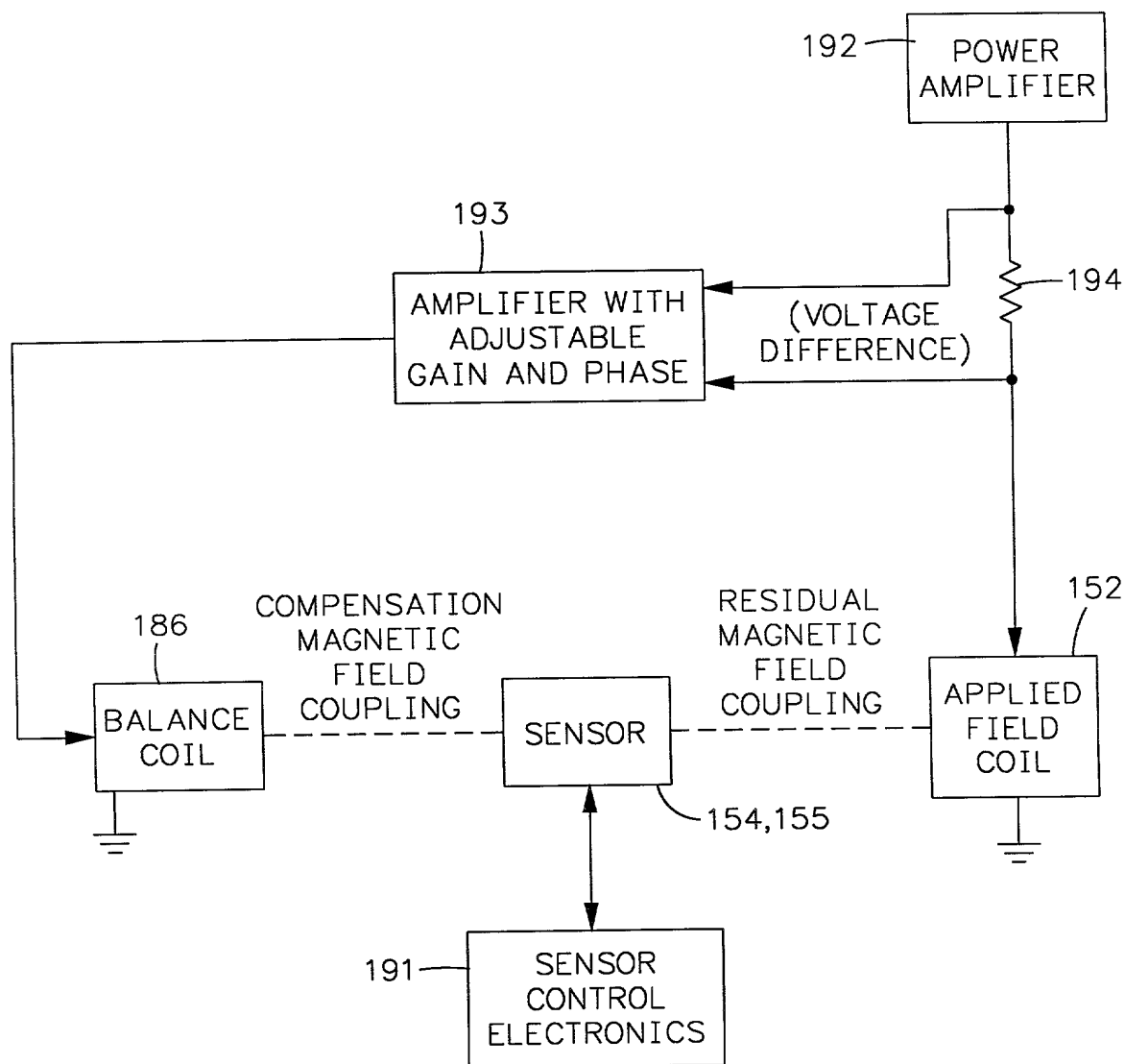


FIG. 22